

**ABSTRACT**

**PROFILE BODY MASS INDEX OF MULTI DRUG RESISTANCE  
TUBERCULOSIS WITH DIABETES MELLITUS TYPE 2 PATIENTS IN  
RSUD DR. SOETOMO 2016**

**Introduction :**

Indonesia is the second country that had the highest number of Tuberculosis (TB) prevalences world wide. Beside resistances, factor that may be a burden for control TB is comorbidities, such as Diabetes Mellitus Type 2 (DMT2). Nutritional Status can be determined by calculate the Body Mass Index (BMI). Researchers conducted observation about the profile of BMI among patient multi drug resistance tuberculosis (MDR-TB) with DMT2 in RSUD Dr. Soetomo Surabaya.

**Methods :**

This is a descriptive retrospective study observing profile of BMI based on gender, age, weight, height, type of patient, resistances pattern, and fasting blood glucose (FBG) registered since January,1<sup>st</sup>–December,31<sup>th</sup> 2016.

**Result :**

Out of 42 Samples, there are 20 mens and 22 womens suffered MDR-TB with DMT2. The nutritional status of women is Normal (28,57 %) and man is Underweight (16,6 %). Based on the age of patients, 51-60 years is the highest frequency. The mean of BMI from all age categories are Normal, except 31-40 years. The mean of height is 159,95 cm and weight is 52,88 kg. The dominant type of patient is relapse that mostly has Underweight BMI (19,04%). The highest resistances pattern is HR and mostly has normal BMI, In FBG's category, 100-200 is the highest frequency and most of them has normal BMI. The mean of BMI is 20,51 kg/m<sup>2</sup>

**Conclusion :**

Woman has normal BMI, and Man has Underweight BMI. All age category is Normal, except 31-40 years. The Highest frequencies of Height is 160 cm and Weight is 65 Kg. The Relapse type has Normal BMI. HR resistances has Normal BMI. FBG's 100-200 type has normal BMI.

*Keyword : Multi Drug Resistance Tuberculosis, Diabetes Mellitus Type 2, Nutritional Status*